

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 10-204545

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(54) PERITONEUM DIALYSIS FLUID

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a peritoneum dialysis fluid which has low stimulation of osmotic pressure to peritoneum, and by which the removal of water can be smoothly kept by specifying the concentrations of sugar of dimer or monomer as an osmotic pressure adjustment agent, sodium ion or the like as an electrolyte, and physiologically permitted organic acid ion, and specifying the osmotic pressure.

SOLUTION: 20-90 mmol/l of sugar of dimer or monomer as an osmotic pressure adjustment agent, 100-160 mmol/l of sodium ion as electrolyte, 0.5-2 mmol/l of calcium ion, 0.25-1 mmol/l of magnesium ion, 80-110 mmol/l of chloro ion, and 40-85 mmol/l of physiologically permitted organic acid ion are respectively determined. The osmotic pressure is determined within a range of 280-320 mOsm/kg. On this occasion, for example, glucose, fructose or the like is used as the sugar, and for example, lactic acid ion, bicarbonate ion or the like is used as the organic acid ion. By changing the fluid composition ratio, the dialysis performance can be improved.

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